

We claim:

1. A composition for oral administration to an animal, which comprises:

5 a plurality of extended release particles containing at least one biologically active substance, said particles being formulated in a solid dispersible tablet;

a flavoring agent being formulated in the solid dispersible tablet;

wherein the solid dispersible tablet forms a non-effervescent flavored suspension when placed in a liquid; and

15 wherein the non-effervescent flavored suspension after being orally administered to the animal releases the biologically active substance over a period of about 2 hours to about 48 hours.

20 2. The composition of claim 1, wherein the non-effervescent flavored suspension is formed in less than about 10 minutes after the solid dispersible tablet is placed in the liquid.

3. The composition of claim 1, wherein the non-effervescent flavored suspension is formed in less than about 5 minutes after the solid dispersible tablet is placed in the liquid.

4. The composition of claim 1, wherein the non-effervescent flavored suspension is formed in less than about 1 minute after the solid dispersible tablet is placed in the liquid.

5. The composition of claim 1, wherein the non-effervescent flavored suspension is formed in less than about 30 seconds after the solid dispersible tablet is placed in the liquid.

6. The composition of claim 1, wherein the non-effervescent flavored suspension is formed upon stirring, mixing or blending the liquid after the solid dispersible tablet is placed in said liquid.

7. The composition of claim 1, wherein the non-effervescent flavored suspension is formed without

stirring, mixing or blending the liquid after the solid dispersible tablet is placed in said liquid.

5 8. The composition of claim 1, wherein the solid dispersible tablet is a self-disbursing tablet.

9. The composition of claim 1, wherein the non-effervescent flavored suspension after being orally administered to the animal releases the biologically active substance over a period from about 2 hours to up to about 24 hours.

10. The composition of claim 1, wherein the non-effervescent flavored suspension after being orally administered to the animal releases the biologically active substance over a period from 12 hours up to about 24 hours.

11. The composition of claim 1, wherein the solid dispersible tablet further contains a coloring agent, and wherein the suspension is a colored suspension.

12. The composition of claim 11, wherein said composition is administered as part of a multi-substance regimen.

5 13. The composition of claim 12, wherein the color of the suspension identifies the biologically active substance to improve patient compliance with the multi-substance regimen.

14. The composition of claim 1, wherein the suspension is a clear suspension.

15 15. The composition of claim 1, wherein said composition is administered to improve patient compliance with taking the biologically active substance.

16. The composition of claim 1, wherein the composition is administered to improve the swallowing of the biologically active substance.

17. The composition of claim 1, wherein the solid dispersible tablet further contains a natural or artificial sweetening agent.

5 18. The composition of claim 1, wherein the biologically active substance is selected from the group consisting of analgesics, anti-inflammatories, antihistamines, antitussives, expectorants, decongestants, narcotics, bronchodilators, cardiovasculars, central nervous system drugs, anti-hypertensive agents, osteoporotic agents, GERD agents, anti-neoplastic agents, anti-asthmatics, hormone replacement agents, anti-infectives, anti-diabetics, lipid lowering agents, thrombolytic agents, anticoagulant agents, fibrinolytic agents, nutritional agents, vitamins, minerals, metal salts, electrolytes, herbal agents, fatty acids and combinations thereof.

20 19. The composition of claim 1, wherein the biologically active substance is an alkaline salt of potassium.

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20. The composition of claim 19, wherein the alkaline salt of potassium is potassium chloride.

21. The composition of claim 20, wherein the potassium chloride is present in said solid dispersible tablet in an amount ranging from about 20% to about 98%.

22. The composition of claim 20, wherein the potassium chloride is present in said solid dispersible tablet in an amount ranging from about 60% to about 85%.

23. The composition of claim 20, wherein the solid dispersible tablet releases an amount of potassium chloride ranging from about 1 mEq to about 40 mEq.

24. The composition of claim 1, wherein the liquid is water.

25. The composition of claim 1, wherein the solid dispersible tablet further comprises a disintegrant.

26. The composition of claim 1, wherein the solid dispersible tablet further comprises a lubricant.

5 27. The composition of claim 1, wherein the non-effervescent flavored suspension is a uniform suspension.

28. The composition of claim 1, wherein the non-effervescent flavored suspension has a pleasing taste when administered to the animal.

29. The composition of claim 1, wherein the composition is administered once a day.

30. The composition of claim 1, wherein the composition is administered at least twice a day.

31. The composition of claim 1, wherein the composition is administered more than twice a day.

20 32. The composition of claim 1, wherein the animal is a human.

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33. The composition of claim 32, wherein the human is an adult.

34. The composition of claim 32, wherein the human is a child.

35. A composition for oral administration to an animal, which comprises:

a plurality of extended release particles containing a biologically active substance;

a flavoring agent being formulated in the extended release particles;

wherein the plurality of extended release particles forms a non-effervescent flavored suspension when placed in a liquid; and

wherein the non-effervescent flavored suspension after being orally administered to the animal releases the biologically active substance over a period from about 2 hours up to about 48 hours.

36. A composition for oral administration to an animal, which comprises:



a plurality of extended release particles containing an alkaline salt of potassium, said particles being formulated in a solid dispersible tablet;

5 a flavoring agent being formulated in the solid dispersible tablet;

wherein the solid dispersible tablet forms a non-effervescent flavored suspension when placed in a liquid; and

wherein the non-effervescent flavored suspension after being orally administered to the animal releases the alkaline salt of potassium over a period from about 2 hours up to about 48 hours.

15 37. A composition for oral administration to an animal, which comprises:

a plurality of extended release particles containing at least one biologically active substance;

a flavoring agent;

20 wherein said particles and flavoring agent are contained in a capsule; and

wherein a flavored suspension is formed when the capsule is opened and the contents distributed in a liquid

or when the capsule is dropped into a liquid and said liquid stirred until the capsule dissolved.

38. A method of improving patient compliance with a therapeutic or nutritional regimen, which comprises:

administering to an animal a non-effervescent flavored suspension formed by placing into a liquid a solid dispersible tablet comprising a flavoring agent and a plurality of particles containing a biologically active substance, said particles being coated with an extended release coating agent;

wherein the non-effervescent flavored suspension after being orally administered to the animal releases the biologically active substance over a period of about 2 hours to about 48 hours.

39. The method of claim 38, wherein the non-effervescent flavored suspension is formed in less than about 10 minutes after the solid dispersible tablet is placed in the liquid.

40. The method of claim 38, wherein the non-effervescent flavored suspension is formed in less than about 5 minutes after the solid dispersible tablet is placed in the liquid.

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41. The method of claim 38, wherein the non-effervescent flavored suspension is formed in less than about 1 minute after the solid dispersible tablet is placed in the liquid.

42. The method of claim 38, wherein the non-effervescent flavored suspension is formed in less than about 30 seconds after the solid dispersible tablet is placed in the liquid.

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43. The method of claim 38, wherein the non-effervescent flavored suspension is formed upon stirring, mixing or blending the liquid after the solid dispersible tablet is placed in said liquid.

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44. The method of claim 38, wherein the non-effervescent flavored suspension is formed without

stirring, mixing or blending the liquid after the solid dispersible tablet is placed in said liquid.

5 45. The method of claim 38, wherein the solid disbursible tablet is a self-disbursing tablet.

46. The method of claim 38, wherein the non-effervescent flavored suspension after being orally administered to the animal releases the biologically active substance for a period of about 4 hours up to about 24 hours.

15 47. The method of claim 38, wherein the non-effervescent flavored suspension after being orally administered to the animal releases the biologically active substance over a period of about 12 hours to about 24 hours.

20 48. The method of claim 38, wherein the solid dispersible tablet further contains a coloring agent, and wherein the suspension is a colored suspension.

49. The method of claim 38, wherein said non-effervescent flavored suspension is administered as part of a multi-substance regimen.

5 50. The method of claim 49, wherein the color of the suspension identifies the biologically active substance to improve patient compliance with the multi-substance regimen.

51. The method of claim 38, wherein said non-effervescent flavored suspension is administered to improve patient compliance with taking the biologically active substance.

52. The method of claim 38, wherein the non-effervescent flavored suspension is administered to improve convenience of administration of the biologically active substance.

20 53. The method of claim 38, wherein the solid dispersible tablet further contains a natural or artificial sweetening agent.

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54. The method of claim 38, wherein the biologically active substance is selected from the group consisting of analgesics, anti-inflammatories, antihistamines, antitussives, expectorants, decongestants, narcotics, bronchodilators, cardiovasculars, central nervous system drugs, anti-hypertensive agents, osteoporotic agents, GERD agents, anti-neoplastic agents, anti-asthmatics, hormone replacement agents, anti-infectives, anti-diabetics, lipid lowering agents, thrombolytic agents, anticoagulant agents, fibrinolytic agents, nutritional agents, vitamins, minerals, metal salts, electrolytes, herbal agents and fatty acids.

55. The method of claim 38, wherein the biologically active substance is an alkaline salt of potassium.

56. The method of claim 55, wherein the alkaline salt of potassium is potassium chloride.

57. The method of claim 38, wherein the liquid is water.

58. The method of claim 38, wherein the non-effervescent flavored suspension has a pleasing taste when administered to the animal.

5 59. The method of claim 38, wherein the non-effervescent flavored suspension is administered once a day.

60. The method of claim 38, wherein the non-effervescent flavored suspension is administered at least twice a day.

61. The method of claim 38, wherein the animal is a human.

62. The method of claim 61, wherein the human is an adult.

63. The method of claim 61, wherein the human is a child.

64. A method of preparing an extended release composition for oral administration to an animal, which comprises:

coating a plurality of particles of a biologically active substance with an extended release coating agent to form extended release particles;

blending the extended release particles, a flavoring agent and at least one excipient to form a compressible mixture; and

compressing the compressible mixture into solid dispersible tablets which form a non-effervescent flavored suspension when placed into a liquid.

65. A method of preparing a potassium chloride composition for oral administration to an animal, which comprises:

coating a plurality of potassium chloride crystals with a coating agent to form extended release potassium chloride particles; and

blending the extended release potassium chloride particles with a flavoring agent and at least one excipient to form extended release potassium chloride particles which



form a non-effervescent flavored suspension when placed into a liquid.

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